TABLE 1. MAA immunophenotyping of melanoma vaccine

	MAA	ĭ	(vaccine batch)		
Antisera	defined (kilodaltons)	-	2	3	Ref.
Mouse monoclonal			+	+	23
225.28S	240 +	+ +	+	+	24
9.2.27	240 +	. 0	4LN	Z	Ϋ́
436.G10	26, 29, 95, 116	+	Z	z z	17
376 96	3	o -	Z +	+	12
118.1	94-97	+ =	Z	Z	77
465.12S	94	0	ΪZ	Z	56
McTBT	07-40			+	=
Rabbit polycional	240	+	+ +	+ +	=
CR29, SB54	150	+ -	+ +	+	=
SB29, SB54	140	+ +	+	+	= :
SB29, SB54	120	- +	+	+	= :
SB29, SB54	£ 7	- +	+	+	=
SB29, SB54	C				

Not reactive with SB54.
 (NT) not tested.

TABLE 2. Effect of detergent and ultracentrifugation on macromolecules, MAAs, and Dr antigens in material shed by melanoma cells

	Pre	Presence in shed material after ultracentrifugation	material af	ier ultracen	Infugation	
	1251-macro	1251-macromolecules	V-1521	121-MAAS	133	131.Dr
		Change		Change		Change
Treatment*	сьш	(%)	cbm	(%)	cbm	(ax)
	10,362		817	i i	428	8

 Material shed by radioiodinated melanoma cells was ultracentrifuged in 0.5-ml aliquots at 100,000 $_{m{g}}$ for 90 min, incubated in a final concentration of 0.5% NP-40 for 2 h prior to ultracentrifugation, or not treated. All were subsequently assayed for radioactivity associated with macromolecules, MAAs defined by antiscrum SB29, or Dr antigens. All assays were performed on 0.025-ml aliquots of material in the presence of a final concentration of 0.5% NP-40.

901

258 574

-1

6,325 8,612

NP-40 + ultracentrifugation

Ultracentrifugation

None

Assayed by precipitation with 10% trichloroacetic acid.

c Assayed by protein A immune precipitation with specific antisera.

From untreated control

TABLE 3. Surface MAAs expressed by melanomas in various individuals

							ũ	kpression	of MAA is	Expression of MAA in melanoma"	•					
WAA	Antiserum	H	HM34	HM49	HM49 HM54	FIME	HM80	G361	SK23	SK27	SK28	SK29	SK37	¥.	M20	X X
		-			-		-				7.7	4	+	+	+	÷
1 UPC	SB39	+	+	1	+	+	,	•	+				. 1	,	,	1
	200	4	4	1	+	,		+	ı							
	200					1 1 1	-	,	+	ı	+ +	+++	+	+	+	
	225.285	ı	ı		ı				4	+	+++	+++	+++	+++	+++	ı
	9.2.27	1	ı	ı	1	-	+		٠	-1				+	1	F
	CB 20	+	+	+	+	,	ı	+	ı	f	ı	ı				ı
	100				111	1	ı	+++	ı	ı		ı	ŧ			
	SB29	+	+	+						1	1	1	1	1	1	ŧ
130	SH29	+++	+	+	+	,	ı	+	ı					,	1	ı
	CBC	+	+	+	+	1	,	+	ı	ı					4	ı
							,	1	ı	1	ı	+			٠	
	Nu4B	ı	ł						-	4	1	1	1	,	ı	+
26-90	SB29	+	+	ı	+	+	ı	+ -	٠				1	1	1	1
	CBC	+	+	ı	+++	ş	ı	++	•					1	+	+
			ı	ا,	ı	+	+++	,	++	+	+					1 1
	- i				1 1 1		+++	+++	+++	+ + +	+++	+	+	+		
2	SB29	+	ı	1	+				-	1	,	1	,	ı	1	ı
	SB54	+	ı	ı	+	ı	ı	٠				,	,	ı	ı	į
20	Me3 TBT	,	1		1	,	1	ı								

Assayed by indirect immunoprecipitation with protein A-sepharose.

TABLE 4. Characteristics of immunized patients

Length of follow-up*	
Current status*	
No. of immunization	200000000000000000000000000000000000000
Duration of metastatic disease prior to immunization (months)	12 22 22 22 22 24 4 4 4 1 3
Site of metastasis	Skin, lung
Previous treatment other than	BCG, DTIC None None None None None None None None
	CO CUNTENTER EXER
	Age 52 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Patient	no. - 2 2 4 4 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2

• (P) progression; (S) stable; (R) regression. • From onset of immunotherapy. • (BCG) bacillus Calmette-Guérin.

TABLE 5. Immunogenicity of melanoma vaccine

	Immun	Immune response to melanoma'	ma.
Patient no.	Humoral*	Cellular	Either
	+ +	0	~
_ ,	÷ +	9	+
,	+ →	•	+
•	- ح	•	0
₹ •	> +	~	0
n ×	ı O	0	o ·
	0	•	+ <
∞ ∞	0	-	> +
•	0	2 5	+
2	+ :	2 <	+
2	+ (7	0
71	- 5	z S	+
2		(2010)	8 (62%)
No. (%) positive:	5 (38%)	4 (31%)	1

• (\pm) 25–49%, (+) 50–100%, and (+ +) 100%, increase over preimmunization level of melanoma antibodies; (NT) not tested.

• By indirect immunoprecipitation of ¹²³1-melanoma macromolecules.

• By skin test to 10 µg vaccine; results represent millimeters of average indura-

tion at 24-48 h.

TABLE 6. Antibodies to fetal calf serum proteins in patients immunized to melanoma vaccine

Patient no.	Antibodies to preimmunization	1231-FCS* (2 months) postimmunization
Melanoma		0.7
1	18.3	0.7
	0.0	0.0
2 3 4 5 6 7 8	0.0	0.0
4	0.1	0.1
5	0.1	<0.1
6	0.1	0.1
ž	<0.1	<0.1 <0.1
8	< 0.1	0.8
9	0.6	0.0
10	0.0	<0.1
15	0.1	0.4
17	0.3	0.0
20	0.0	
Normal		•
2003	0.0	
2004	0.1	
2005	<0.1	
2006	0.0	
2007	0.0	
2008	0.0	
2009	0.0	
2010	0.1	
2011	0.0	•
2012	0.0	
2013	0.0	
ANTI-FCS	68.0	

Percent of radioactivity associated with ¹²⁵I-FCS specifically immunoprecipitated by serum and protein A-sepharose.